



## APPLICATION DATA SHEET

### APPLICATION INFORMATION

**Application Number::** 10/661,319  
**Filing date::** September 12, 2003 (09/23/2003)  
**Application Type::** Utility  
**Title Line One::** OPTICAL DEVICES AND METHODS  
**Title Line Two::** EMPLOYING NANOPARTICLES, MICRO-  
**Title Line Three::** CAVITIES, AND SEMICONTINUOUS METAL  
**Title Line Four::** FILMS  
**Attorney Docket Number::** 37000 CIP2 9906  
**Request for Early Publication?::** No  
**Request for Non-Publication?::** No  
**Suggested Drawing Figure::** 12  
**Total Drawing Sheets::** 16  
**Small Entity?::** Yes  
**Petition Included?::** No  
**Licensed US Govt. Agency::** National Science Foundation  
**Contract or Grant Numbers::** DMR 9623663 & DMR 9810183  
**Licensed US Govt. Agency::** National Aeronautics Space Administration  
**Contract or Grant Numbers::** NAG8-1710  
**Licensed US Govt. Agency::** ARO (U.S. Army)  
**Contract or Grant Numbers::** DAAG55-98-1-0425  
**Licensed US Govt. Agency::** New Mexico Universities Collaborative Research  
**Contract or Grant Numbers::** (NUCOR) Program 9882 and 9964  
**Secrecy Order in Parent Appl.?::** No

## APPLICANT INFORMATION

**Applicant (1) Authority Type::** Inventor  
**Primary Citizenship** US  
**Country::** US  
**Status::** Full Capacity  
**Inventor One Given Name::** Robert  
**Middle Name::** L.  
**Family Name::** Armstrong  
**Name Suffix::**  
**City of Residence::** Las Cruces  
**State or Province of Residence::** New Mexico  
**Country of Residence::** US  
**Street of Mailing Address::** 3260 Majestic Ridge  
**City of Mailing Address::** Las Cruces  
**State or Province of Mailing Address::** New Mexico  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 88011

**Applicant (2) Authority Type::** Inventor  
**Primary Citizenship** US  
**Country::** US  
**Status::** Full Capacity  
**Inventor Two Given Name::** Vladimir  
**Middle Name::** M.  
**Family Name::** Shalaev  
**Name Suffix::**  
**City of Residence::** West Lafayette  
**State or Province of Residence::** Indiana  
**Country of Residence::** US  
**Street of Mailing Address::** 6210 Old SR26W  
**City of Mailing Address::** West Lafayette  
**State or Province of Mailing Address::** Indiana  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 47906

**Applicant (3) Authority Type::** Inventor  
**Primary Citizenship** US  
**Country::** US  
**Status::** Full Capacity  
**Inventor Three Given Name::** Harold  
**Middle Name::** V.  
**Family Name::** Smith  
**Name Suffix::**  
**City of Residence::** Las Cruces  
**State or Province of Residence::** New Mexico  
**Country of Residence::** US  
**Street of Mailing Address::** 821 Canterbury Arc  
**City of Mailing Address::** Las Cruces  
**State or Province of Mailing Address::** New Mexico  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 88005

**Applicant (4) Authority Type::** Inventor  
**Primary Citizenship** Russia  
**Country::** Russia  
**Status::** Full Capacity  
**Inventor Four Given Name::** Andrey  
**Middle Name::** K.  
**Family Name::** Sarychev  
**Name Suffix::**  
**City of Residence::** West Lafayette  
**State or Province of Residence::** Indiana  
**Country of Residence::** US  
**Street of Mailing Address::** Purdue University  
**City of Mailing Address::** School of Electrical & Computer Engineering  
**State or Province of Mailing Address::** West Lafayette  
**Country of Mailing Address::** Indiana  
**Postal or Zip Code of Mailing Address::** 47907-1248

**Applicant (5) Authority Type::** Inventor  
**Primary Citizenship** US  
**Country::** US  
**Status::** Full Capacity  
**Inventor Five Given Name::** Z.  
**Middle Name::** Charles  
**Family Name::** Ying  
**Name Suffix::**  
**City of Residence::** Boyds  
**State or Province of Residence::** Maryland  
**Country of Residence::** US  
**Street of Mailing Address::** 18513 Black Kettle Drive  
**City of Mailing Address::** Boyds  
**State or Province of Mailing Address::** Maryland  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 20841-4310

#### **CORRESPONDENCE INFORMATION**

**Correspondence Customer**  
**No.::** 005179  
**Phone Number::** (505) 998-1500  
**Fax Number::** (505) 243-2542  
**E-Mail Address::** [jmyers@peacocklaw.com](mailto:jmyers@peacocklaw.com)

#### **REPRESENTATIVE INFORMATION**

**Representative Customer**  
**Number::** 005179

## **DOMESTIC PRIORITY INFORMATION**

**Application::** 09/797,609  
**Continuity Type::** Continuation-in-Part  
**Parent Application::** 09/572,721 (U.S. Patent 6,608,716)  
**Parent Filing Date::** 05/16/2000

**Application::** 09/955,712  
**Continuity Type::** Appl claiming benefit under 35 USC 119(e)  
**Parent Application::** 60/233,804  
**Parent Filing Date::** 09/19/2000  
**2nd Parent Application::** 60/278,466  
**2<sup>nd</sup> Parent Filing Date::** 03/23/2001

## **ASSIGNEE INFORMATION**

**Assignee Name::** NEW MEXICO STATE UNIVERSITY  
TECHNOLOGY TRANSFER CORPORATION  
**Street of Mailing Address::** MSC 3RES  
Box 30001  
**City of Mailing Address::** Las Cruces  
**State or Province of Mailing Address:** New Mexico  
**Country of Mailing Address::** US  
**Postal or Zip Code of Mailing Address::** 88003-8001